OAQ Process Information Application

PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**:	TK-101
2. **Installation Date**: *(actual or anticipated)*	TBD
3. **Tank Location**:	TBD

4. **Tank Type**

☒ Fixed Roof, Cone	☐ External Floating Roof, Domed	☐ Internal Floating Roof
☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space
☐ Other *(specify)*:		☐ Pressure Tank

5. Is the tank **Above Ground**?	☒ Yes	☐ No
6. **Tank Orientation**:	☐ Horizontal	☒ Vertical
7. **Tank Color**:	TBD	
8. **Materials Stored**: *(include MSDS)*	Oily Brine	
9. **True Vapor Pressure** (PVA):	0.5 RVP (*psi at 20°C*)	
10. **Vapor Molecular Weight** (Mv):	gallons (*lb/lbmole*)	
11. **Annual Throughput**:	251,412,000 gallons per year (*gal/yr*)	
12. **Venting Method**:		
13. **Filling Method**:	☐ Submerged ☐ Not Submerged	☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: *– Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System

☒ Other *(specify)*: TBD *– Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	25 feet (*ft*)			
18. Tank Height (Hs):	18 feet (*ft*)			
19. Tank Volume / Capacity (V):	66,108 gallons (*gal*)	(ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (Wl):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (Wl):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor**		**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.43	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

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PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

***Note that TK-101 will be subject to 40 CFR 61, Subpart FF.**

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NOTES:

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PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. Tank/Unit ID:	TK-102		
2. Installation Date: *(actual or anticipated)*	TBD		
3. Tank Location:	TBD		
4. Tank Type			
☒ Fixed Roof, Cone	☐ External Floating Roof, Domed	☐ Internal Floating Roof	
☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space	
☐ Other *(specify)*:		☐ Pressure Tank	
5. Is the tank **Above Ground?**	☒ Yes	☐ No	
6. **Tank Orientation**:	☐ Horizontal	☒ Vertical	
7. Tank Color:	TBD		
8. Materials Stored: *(include MSDS)*	Oily Brine		
9. True Vapor Pressure (PVA):	0.5 RVP (*psi at 20°C*)		
10. Vapor Molecular Weight (Mv):	gallons (*b/lbmole*)		
11. Annual Throughput:	251,412,000 gallons per year (*gal/yr*)		
12. Venting Method:			
13. Filling Method:	☐ Submerged	☐ Not Submerged	☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. Add-On Control Technology: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: *– Attach CE-10.*

15. Control Techniques: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System

☒ Other *(specify)*: TBD *– Attach GSD-09.*

16. Process Limitations / Additional Information: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	25 feet (*ft*)			
18. Tank Height (Hs):	18 feet (*ft*)			
19. Tank Volume / Capacity (V):	66,108 gallons (*gal*)	(ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor**		**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.43	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

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PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
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☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

***Note that TK-102 will be subject to 40 CFR 61, Subpart FF.**

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PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**: TK-103
2. **Installation Date**: *(actual or anticipated)* TBD
3. **Tank Location**: TBD
4. **Tank Type**

☒ Fixed Roof, Cone ☐ External Floating Roof, Domed ☐ Internal Floating Roof
☐ Fixed Roof, Dome ☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
☐ Other *(specify)*: ☐ Pressure Tank

Is the tank **Above Ground?** ☒ Yes ☐ No

5. **Tank Orientation**: ☐ Horizontal ☒ Vertical
6. **Tank Color**: TBD
7. **Materials Stored**: *(include MSDS)* Oily Brine
8. **True Vapor Pressure** (PVA): 0.5 RVP (*psi at 20°C*)
9. **Vapor Molecular Weight** (Mv): gallons (*lb/lbmole*)
10. **Annual Throughput**: 251,412,000 gallons per year (*gal/yr*)
11. **Venting Method**:
12. **Filling Method**: ☐ Submerged ☐ Not Submerged ☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

13. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: — *Attach CE-10.*

14. **Control Techniques**: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System
☒ Other *(specify)*: TBD — *Attach GSD-09.*

15. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	25 feet (*ft*)			
18. Tank Height (Hs):	18 feet (*ft*)			
19. Tank Volume / Capacity (V):	66,108 gallons (*gal*)	(ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor**		**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.43	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
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☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

***Note that TK-103 will be subject to 40 CFR 61, Subpart FF.**

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PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**: TK-104A
2. **Installation Date**: *(actual or anticipated)* TBD
3. **Tank Location**: TBD
4. **Tank Type**

☒ Fixed Roof, Cone ☐ External Floating Roof, Domed ☐ Internal Floating Roof
☐ Fixed Roof, Dome ☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
☐ Other *(specify)*: ☐ Pressure Tank

5. Is the tank **Above Ground?** ☒ Yes ☐ No
6. **Tank Orientation**: ☐ Horizontal ☒ Vertical
7. **Tank Color**: TBD
8. **Materials Stored**: *(include MSDS)* Oily Brine
9. **True Vapor Pressure** (PVA): 0.5 RVP (*psi at 20°C*)
10. **Vapor Molecular Weight** (Mv): gallons (*lb/lbmole*)
11. **Annual Throughput**: 251,412,000 gallons per year (*gal/yr*)
12. **Venting Method**:
13. **Filling Method**: ☐ Submerged ☐ Not Submerged ☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: — *Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System
☒ Other *(specify)*: TBD — *Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	18 feet (*ft*)			
18. Tank Height (Hs):	34 feet (*ft*)			
19. Tank Volume / Capacity (V):	89,922 gallons (*gal*)	(ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
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Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

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☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
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☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes* ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

*** Note that TK-104A will be subject to 40 CFR 61, Subpart FF.**

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OAQ Process Information Application

PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**:	TK-104B	
2. **Installation Date**: *(actual or anticipated)*	TBD	
3. **Tank Location**:	TBD	
4. **Tank Type**		
	☒ Fixed Roof, Cone	☐ External Floating Roof, Domed ☐ Internal Floating Roof
	☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
	☐ Other *(specify)*:	☐ Pressure Tank
5. Is the tank **Above Ground**?	☒ Yes	☐ No
6. **Tank Orientation**:	☐ Horizontal	☒ Vertical
7. **Tank Color**:	TBD	
8. **Materials Stored**: *(include MSDS)*	Oily Brine	
9. **True Vapor Pressure** (PVA):	0.5 RVP *(psi at 20°C)*	
10. **Vapor Molecular Weight** (Mv):	gallons *(b/lbmole)*	
11. **Annual Throughput**:	251,412,000 gallons per year *(gal/yr)*	
12. **Venting Method**:		
13. **Filling Method**:	☐ Submerged ☐ Not Submerged	☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: *– Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System

☒ Other *(specify)*: TBD *– Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	18 feet (*ft*)
18. Tank Height (Hs):	34 feet (*ft*)
19. Tank Volume / Capacity (V):	89,922 gallons (*gal*) (ft^3)
20. Maximum Liquid Height (Hlx):	feet (ft)

21. External Floating Roof: *Complete only if applicable.*

a. Average Liquid Density (Wl):	pounds per gallon (*lb/gal*)		
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof	
c. Tank Construction:	☐ Welded	☐ Riveted	
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None

22. Internal Floating Roof: *Complete only if applicable.*

a. Average Liquid Density (Wl):	pounds per gallon (*lb/gal*)		
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*	
c. Self-supported fixed roof	☐ Yes	☐ No	
d. Number of columns supporting the fixed roof			
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No	

23. Variable Vapor Space: *Complete only if applicable.*

a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)
b. Volume expansion capacity of system (V2):	gallons (*gal*)
c. Number of Transfers Into the System (N2)	per year (*/yr*)

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor** *value*	*units*	**26. Source of Emission Factor** *(if not using AP-42, include calculations)*
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42 ☐ Other ☐ N/A
Volatile Organic Compounds (VOC)	0.44	tpy	☐ AP-42 ☒ Other ☐ N/A
Other *(specify)*:			☐ AP-42 ☐ Other
Other *(specify)*:			☐ AP-42 ☐ Other

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes* ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

*** Note that TK-104B will be subject to 40 CFR 61, Subpart FF.**

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OAQ Process Information Application

PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**: TK-105A
2. **Installation Date**: *(actual or anticipated)* TBD
3. **Tank Location**: TBD
4. **Tank Type**

☒ Fixed Roof, Cone	☐ External Floating Roof, Domed	☐ Internal Floating Roof
☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space
☐ Other *(specify)*:		☐ Pressure Tank

5. Is the tank **Above Ground**? ☒ Yes ☐ No
6. **Tank Orientation**: ☐ Horizontal ☒ Vertical
7. **Tank Color**: TBD
8. **Materials Stored**: *(include MSDS)* Oily Brine
9. **True Vapor Pressure** (PVA): 0.5 RVP *(psi at 20°C)*
10. **Vapor Molecular Weight** (Mv): gallons *(lb/lbmole)*
11. **Annual Throughput**: 251,412,000 gallons per year *(gal/yr)*
12. **Venting Method**:
13. **Filling Method**: ☐ Submerged ☐ Not Submerged ☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: – *Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System

☒ Other *(specify)*: TBD – *Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	60 feet (*ft*)			
18. Tank Height (Hs):	41 feet (*ft*)			
19. Tank Volume / Capacity (V):	867,090 gallons (*gal*)	(ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor** *value*	*units*	**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.72	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes* ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

*** Note that Tank 105A will be subject to 40 CFR 61, Subpart FF.**

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OAQ Process Information Application
PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204

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Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
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PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. Tank/Unit ID:	TK-105B		
2. Installation Date: *(actual or anticipated)*	TBD		
3. Tank Location:	TBD		
4. Tank Type			
☒ Fixed Roof, Cone	☐ External Floating Roof, Domed	☐ Internal Floating Roof	
☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space	
☐ Other *(specify)*:		☐ Pressure Tank	
Is the tank **Above Ground**?	☒ Yes	☐ No	
6. Tank Orientation:	☐ Horizontal	☒ Vertical	
7. Tank Color:	TBD		
8. Materials Stored: *(include MSDS)*	Slop oil		
9. True Vapor Pressure (PVA):	0.5 RVP (*psi at 20°C*)		
10. Vapor Molecular Weight (Mv):	gallons (*lb/lbmole*)		
11. Annual Throughput:	251,412,000 gallons per year (*gal/yr*)		
12. Venting Method:			
13. Filling Method:	☐ Submerged	☐ Not Submerged	☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. Add-On Control Technology: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: *– Attach CE-10.*

15. Control Techniques: *Identify all control techniques used for this process.*

☐ None ☐ Flare ☐ Vapor Recovery System

☒ Other *(specify)*: TBD *– Attach GSD-09.*

16. Process Limitations / Additional Information: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	60 feet (*ft*)			
18. Tank Height (Hs):	41 feet (*ft*)			
19. Tank Volume / Capacity (V):	867,090 gallons (*gal*)	(ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor**		**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.72	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes* ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

*** Note that Tank 105B will be subject to 40 CFR 61, Subpart FF.**

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OAQ Process Information Application
PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

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NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
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PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**:	TK-5052/544	
2. **Installation Date**: *(actual or anticipated)*	TBD	
3. **Tank Location**:	TBD	
4. **Tank Type**		
☐ Fixed Roof, Cone	☒ External Floating Roof, Domed	☐ Internal Floating Roof
☐ Fixed Roof, Dome	☐ External Floating Roof, Not Domed	☐ Variable Vapor Space
☐ Other *(specify)*:		☐ Pressure Tank
5. Is the tank **Above Ground?**	☒ Yes	☐ No
6. **Tank Orientation**:	☐ Horizontal	☒ Vertical
7. **Tank Color**:	TBD	
8. **Materials Stored**: *(include MSDS)*	Oily Wastewater	
9. **True Vapor Pressure** (PVA):	0.5 pounds per square inch (*psi at 20°C*)	
10. **Vapor Molecular Weight** (Mv):	gallons (*lb/lbmole*)	
11. **Annual Throughput**:	20,000,000 gallons per year (*gal/yr*)	
12. **Venting Method**:		
13. **Filling Method**:	☐ Submerged ☐ Not Submerged	☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: — *Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☒ None ☐ Flare ☐ Vapor Recovery System

☐ Other *(specify)*: — *Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	223 feet (*ft*)
18. Tank Height (Hs):	40 feet (*ft*)
19. Tank Volume / Capacity (V):	11,676,000 gallons (*gal*) cubic feet (ft^3)
20. Maximum Liquid Height (Hlx):	40 feet (ft)

21. External Floating Roof: *Complete only if applicable.*

a. Average Liquid Density (WI):	8.9 pounds per gallon (*lb/gal*)		
b. Roof Type:	☒ Pontoon Floating Roof	☐ Double Deck Floating Roof	
c. Tank Construction:	☒ Welded	☐ Riveted	
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☒ Mechanical Shoe
e. Secondary Rim Seal:	☒ Weather Shield (Shoe-Mounted)	☐ Rim Mounted	☐ None

22. Internal Floating Roof: *Complete only if applicable.*

a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)		
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*	
c. Self-supported fixed roof	☐ Yes	☐ No	
d. Number of columns supporting the fixed roof			
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted
f. Primary Rim Seal:	☐ Vapor Mounted		☐ Liquid Mounted
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No	

23. Variable Vapor Space: *Complete only if applicable.*

a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)
b. Volume expansion capacity of system (V2):	gallons (*gal*)
c. Number of Transfers Into the System (N2)	per year (*/yr*)

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor** value	units	**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.01	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☐ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes* ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

***Note that TK-5052 will be subject to 40 CFR 61, Subpart FF.**

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OAQ Process Information Application

PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**: TK-6255/800
2. **Installation Date**: *(actual or anticipated)* TBD
3. **Tank Location**: TBD
4. **Tank Type**

☒ Fixed Roof, Cone ☐ External Floating Roof, Domed ☐ Internal Floating Roof
☐ Fixed Roof, Dome ☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
☐ Other *(specify)*: ☐ Pressure Tank

Is the tank **Above Ground**? ☒ Yes ☐ No

5. **Tank Orientation**: ☐ Horizontal ☒ Vertical
6. **Tank Color**: TBD
7. **Materials Stored**: *(include MSDS)* Coker Feed
8. **True Vapor Pressure** (PVA): 0.5 pounds per square inch (*psi at 20°C*)
9. **Vapor Molecular Weight** (Mv): gallons (*lb/lbmole*)
10. **Annual Throughput**: 469,098,000 gallons per year (*gal/yr*)
11. **Venting Method**:
12. **Filling Method**: ☐ Submerged ☐ Not Submerged ☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

13. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☒ None ☐ Other *(specify)*: – *Attach CE-10.*

14. **Control Techniques**: *Identify all control techniques used for this process.*

☒ None ☐ Flare ☐ Vapor Recovery System
☐ Other *(specify)*: – *Attach GSD-09.*

15. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

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PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	223 feet (*ft*)
18. Tank Height (Hs):	48 feet (*ft*)
19. Tank Volume / Capacity (V):	14,028,000 gallons (*gal*) (ft^3)
20. Maximum Liquid Height (Hix):	feet (ft)

21. External Floating Roof: *Complete only if applicable.*

a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)		
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof	
c. Tank Construction:	☐ Welded	☐ Riveted	
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None

22. Internal Floating Roof: *Complete only if applicable.*

a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)		
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*	
c. Self-supported fixed roof	☐ Yes	☐ No	
d. Number of columns supporting the fixed roof			
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No	

23. Variable Vapor Space: *Complete only if applicable.*

a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)
b. Volume expansion capacity of system (V2):	gallons (*gal*)
c. Number of Transfers Into the System (N2)	per year (*/yr*)

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:	**25. Emission Factor**		**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Hazardous Air Pollutant (HAP): *(specify)*: TBD			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)	0.06	tpy	☐ AP-42	☒ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☒ Yes ☐ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☒ 40 CFR Part 63, Subpart CC*	Petroleum Refineries	TK-6255/ 800
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

*** Note Tank TK-6255 is not subject to the control requirements of 40 CFR 63, Subpart CC.**

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OAQ Process Information Application

PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, Indianapolis, IN 46204

Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
- Detailed **instructions** for this form are available online at www.IN.gov/idem/air/permits/apps/instructions/pi14instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**: TK-SH-1/162
2. **Installation Date**: *(actual or anticipated)* TBD
3. **Tank Location**: TBD
4. **Tank Type**

☒ Fixed Roof, Cone ☐ External Floating Roof, Domed ☐ Internal Floating Roof
☐ Fixed Roof, Dome ☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
☐ Other *(specify)*: ☐ Pressure Tank

5. Is the tank **Above Ground?** ☒ Yes ☐ No
6. **Tank Orientation**: ☐ Horizontal ☒ Vertical
7. **Tank Color**: TBD
8. **Materials Stored**: *(include MSDS)* Molten sulfur
9. **True Vapor Pressure** (PVA): <0.75 pounds per square inch (*psi at 20°C*)
10. **Vapor Molecular Weight** (Mv): (*lb/lbmole*)
11. **Annual Throughput**: gallons per year (*gal/yr*)
12. **Venting Method**: to SRU Complex
13. **Filling Method**: ☐ Submerged ☐ Not Submerged ☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☐ None ☒ Other *(specify)*: Caustic Scrubber — *Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☒ None ☐ Flare ☐ Vapor Recovery System
☐ Other *(specify)*: — *Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	63.5 feet (*ft*)			
18. Tank Height (Hs):	48 feet (*ft*)			
19. Tank Volume / Capacity (V):	1,008,000 gallons (*gal*)	cubic feet (ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:*	**25. Emission Factor** *value*	*units*	**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
Hazardous Air Pollutant (HAP): *(specify)*:			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)			☐ AP-42	☐ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

*** Tank TK-SH-1 and TK-SH-2 have a combined limit of 0.5 ton/yr of both H_2S and Total Reduced Sulfur (See Appendix C Table C.63).**

Continued on Next Page

PART E: Federal Rule Applicability

art E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

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OAQ Process Information Application

PI-14: VOLATILE ORGANIC LIQUID COMPOUND STORAGE

State Form 52554 (2-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
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Facsimile Number: (317) 232-6749
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NOTES:

- The purpose of this form is to obtain detailed information about all tanks larger than 250 gallons that are used to store volatile organic liquid compounds. Duplicate this form as necessary.
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PART A: Tank Identification

Part A identifies and describes the tank. Duplicate this form as necessary to include all applicable tanks.

1. **Tank/Unit ID**: TK-SH-2/162
2. **Installation Date**: *(actual or anticipated)* TBD
3. **Tank Location**: TBD
4. **Tank Type**

☒ Fixed Roof, Cone ☐ External Floating Roof, Domed ☐ Internal Floating Roof
☐ Fixed Roof, Dome ☐ External Floating Roof, Not Domed ☐ Variable Vapor Space
☐ Other *(specify)*: ☐ Pressure Tank

5. Is the tank **Above Ground**? ☒ Yes ☐ No
   Tank Orientation: ☐ Horizontal ☒ Vertical
7. **Tank Color**: TBD
8. **Materials Stored**: *(include MSDS)* Molten sulfur
9. **True Vapor Pressure** (PVA): <0.75 pounds per square inch (*psi at 20°C*)
10. **Vapor Molecular Weight** (Mv): (*lb/lbmole*)
11. **Annual Throughput**: gallons per year (*gal/yr*)
12. **Venting Method**:
13. **Filling Method**: ☐ Submerged ☐ Not Submerged ☐ Other *(specify)*:

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

14. **Add-On Control Technology**: *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

☐ None ☒ Other *(specify)*: caustic scrubber — *Attach CE-10.*

15. **Control Techniques**: *Identify all control techniques used for this process.*

☒ None ☐ Flare ☐ Vapor Recovery System
☐ Other *(specify)*: — *Attach GSD-09.*

16. **Process Limitations / Additional Information**: *Identify any acceptable process limitations. Attach additional information if necessary.*

Continued on Next Page

PART C: Information Specific to Tank Type

Part C identifies the physical properties of the tank.

17. Tank Diameter (D):	63.5 feet (*ft*)			
18. Tank Height (Hs):	48 feet (*ft*)			
19. Tank Volume / Capacity (V):	1,008,000 gallons (*gal*)	cubic feet (ft^3)		
20. Maximum Liquid Height (Hlx):	feet (ft)			
21. External Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type:	☐ Pontoon Floating Roof	☐ Double Deck Floating Roof		
c. Tank Construction:	☐ Welded	☐ Riveted		
d. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted	☐ Mechanical Shoe	
e. Secondary Rim Seal:	☐ Weather Shield	☐ Rim Mounted	☐ None	
22. Internal Floating Roof: *Complete only if applicable.*				
a. Average Liquid Density (WI):	pounds per gallon (*lb/gal*)			
b. Roof Type	☐ Double Deck Floating Roof	☐ Other: *(specify)*		
c. Self-supported fixed roof	☐ Yes	☐ No		
d. Number of columns supporting the fixed roof				
e. Deck Construction:	☐ Welded	☐ Riveted	☐ Bolted	
f. Primary Rim Seal:	☐ Vapor Mounted	☐ Liquid Mounted		
g. Is there a Secondary Rim Seal?	☐ Yes	☐ No		
23. Variable Vapor Space: *Complete only if applicable.*				
a. Volume of liquid pumped into the system (V1):	gallons per year (*gal/yr*)			
b. Volume expansion capacity of system (V2):	gallons (*gal*)			
c. Number of Transfers Into the System (N2)	per year (*/yr*)			

PART D: Emission Factors

Part D identifies all emission factors used to calculate air emissions from the storage tank.

24. Air Pollutant:*	**25. Emission Factor**		**26. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Hazardous Air Pollutant (HAP): *(specify)*:			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)			☐ AP-42	☐ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	
Other *(specify)*:			☐ AP-42	☐ Other	

*** Tank TK-SH-1 and TK-SH-2 have a combined limit of 0.5 ton/yr of both H_2S and Total Reduced Sulfur (See Appendix C Table C.63).**

Continued on Next Page

PART E: Federal Rule Applicability

Part E identifies any federal rules that apply to the process.

27. Is a **New Source Performance Standard (NSPS)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**28. Unit ID:**
☐ 40 CFR Part 60, Subpart K	Petroleum Liquid Storage Vessels (constructed after 6/11/1973 and before 5/19/1978)	
☐ 40 CFR Part 60, Subpart Ka	Petroleum Liquid Storage Vessels (constructed after 5/18/1978 and before 7/23/1984)	
☐ 40 CFR Part 60, Subpart Kb	Volatile Organic Liquid Storage Vessels, Including Petroleum Liquid Storage (constructed after 7/23/1984)	
☐ 40 CFR Part 60, Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	
☐ 40 CFR Part 60, Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	
☐ 40 CFR Part 60, Subpart KKK	Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants	
29. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? *If yes, attach a completed FED-01 for each rule that applies.* ☐ Yes ☒ No		**30. Unit ID:**
☐ 40 CFR Part 61, Subpart J	Equipment Leaks (Fugitive Emission Sources) of Benzene	
☐ 40 CFR Part 61, Subpart V	Equipment Leaks (Fugitive Emission Sources)	
☐ 40 CFR Part 61, Subpart Y	Benzene Emissions from Benzene Storage Vessels	
☐ 40 CFR Part 63, Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
☐ 40 CFR Part 63, Subpart CC	Petroleum Refineries	
☐ 40 CFR Part 63, Subpart HHH	Natural Gas Transmission and Storage	
☐ 40 CFR Part 63, Subpart EEEE	Organic Liquids Distribution (non-gasoline)	

31. Non-Applicability Determination: *Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.*

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